

# STRUCTURE OF A LIGHT-CATALYST MECHANISM OF AN AIR CLEANER

## ABSTRACT

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A light-catalyst mechanism of an air cleaner includes light tubes disposed in a holding room of the air cleaner, and a filtering honeycomb net disposed in the holding room; the filtering honeycomb net has titanium dioxide applied over it; a supporting frame is fixedly disposed  
10 in the holding room; the light tubes are secured to the supporting frame at two ends thereof; a separating frame is disposed around the supporting frame to keep the light tubes and the filtering honeycomb net a distance apart; thus, when the air cleaner and the light tubes are activated, air will pass through the filtering honeycomb net to be purified with germs  
15 therein being killed, bad odors got rid of, and detrimental substances decomposed.

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